

Veer Narmad South Gujarat University, Surat.

**Department of Information and
Communication Technology**

M.Sc. (Information Technology) Programme

Project Report

8th Semester

**M.Sc. (Information Technology)
5 Year Integrated Course**

Year 2022 – 2023

Vibe – Social Media Web Application

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Department of Information and Communication Technology

M.Sc. (Information Technology) Programme

Certificate

This is to certify that Mr. Kevinkumar Jayendrabhai Patel with Exam Seat Number: **41** and PG Registration Number: **E19110018000610096** has worked on his part time project work entitled **VIBE- Web Based Social Media Application** as a partial fulfillment of the requirements for 8th *Semester - M.Sc. (Information Technology) [5 Year Integrated course]*, during the academic Year 2022-2023.

Date : 21/06/2023

Place : Dept. of ICT, VNSGU, Surat.

Internal Project Guide
M.Sc.(I.T.) 8th Semester
Department of I.C.T.
Veer Narmad South Gujarat University,
Surat

Head of the Department
Department of I.C.T.
Veer Narmad South Gujarat University,
Surat

ACKNOWLEDGEMENT

When I finish the project, I must give credit because it could not have been completed without the assistance and guidance of my mentors.

I want to express my gratitude to my mentor for helping me along the way and giving their insights and opinions on the project, helping to paint a realistic picture of the needs and commitment required for this project. They showed a lot of interest in my work and pushed me to do better than I thought I was capable of. They supported me and thought the world of me. I also want to thank the J.P. Dawer Institute of Information Science and Technology for mandating that I complete this project as a requirement for my academic work. I would also like to thank Dr. Hiral Padhariya, my project advisor, and Dr. Pushpal Desai, my course coordinator. Every time I needed them, they were there with their brilliant recommendations and ideas.

Last but not least, I want to express my sincere gratitude to everyone who isn't listed here but has contributed in some way big or small, directly or indirectly to the creation of this system and the creation of this paper.

I appreciate you all,

- Kevin Patel

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1. Introduction

1.1 Current System

Vibe is a web based social media application which allows the users to connect with their friends and family with just a click. It helps find people with similar interests and preferences through the medium of events and groups. Users can post photos/videos/audios and let their friends know about their life. It is a very easy way to stay in touch with the people you cannot meet on a daily basis.

Project Type : Website

Front End Technology : HTML, CSS, Ajax, JavaScript

1.2 Customer Detail

User	<ul style="list-style-type: none">- Users can interact with the people from all around the world and discuss anything.- They can chat with each other and even like photos and videos posted by their friends.- They can join events of their interest and invite friends to groups and be a part of them.- Users can create their ads and attract customers to their business pages.- Users can host their events and let others join .
Admin	<ul style="list-style-type: none">- Admin can create the ads of different type and prices and can be activated by the users to run on the website.- Admin can search for particular data and get the website info.- Admins can restrict the access of the user if he finds any inappropriate activity.

2. Proposed System

2.1 Scope

- Vibe may help in providing a virtual platform for the users and dismiss the hustle for the people to travel long distance to meet their friends and relatives.
- The scope of the project allows easy communication between users.
- In Vibe, the data of the website activity is stored in the database which makes the work efficient.
- Blocked users will not be allowed to login and perform any activity following that. Request can be made to the admin in such cases. Hence the website prevents inappropriate content from sharing.

2.2 Objective

- Ads can be managed properly and efficiently through online mode.
- Users can share audio files and get other's view on that.
- Maintaining the Activity Feed of the users and notifying them is a key aspect of Vibe. It keeps the users updated constantly.
- Provide system administrator with different administrative task such as addition, deletion and updating different entities.

2.3 Constraints

- Internet Connection required

2.4 Advantages

- Users can like and comment very easily and post files of different type.
- Users can send friend requests to other people and connect with them.
- Vibe provides a medium for the users to host the events for others to register and join.

- Users can view other people's profiles and know more about them.

2.5 Limitations





- Only admin can add different talents so user have to select accordingly. They can't enter their own talent type.
- The length of video which user want to upload is limited.
- Blocked users will not be able to access the website.
- Payment transaction cannot be done via this website.

3.Environment Specification

3.1 Hardware & Software Requirements

Processor	P4/Dual or Higher frequency processor
RAM	4 Gb or Higher
Input Device	Keyboard, Optical Mouse
Output Device	Monitor Screen
Software Requirement	Apache Netbeans, MySql Database

3.2 Development Description

Software Requirements	 Apache Netbeans  MySql Workbench
Operating Syatem	 Microsoft Windows (7 or Above)  Computer / Laptop with Microsoft Windows

4. System Planning

4.1 Feasibility Study

A feasibility study is an evaluation and analysis of the potential of the proposed project which is based on extensive investigation and research to give full comfort to the decisions makers.

Technical feasibility

A large part of determining resources has to do with assessing technical feasibility. It considers the technical requirements of the proposed project. The technical requirements are then compared to the technical capability of the organization. The systems project is considered technically feasible if the internal technical capability is sufficient to support the project requirements. This project is built on ASP.NET platform which is a platform dependent language.

Operational feasibility

Operational feasibility is dependent on human resources available for the project and involves projecting whether the system will be used if it is developed and implemented. Operational feasibility is a measure of how well a proposed system solves the problems and takes advantage of the opportunities identified during scope definition and how it satisfies the requirements identified in the requirements analysis phase of system development.

Economic feasibility

As development tools and software are already we own, there isn't any burden of buying them. The organization doesn't have the same system, so it is certainly required for them. So here we do not need to invest extra funds to develop the system. Thus, it is economically feasible to the organization.

Time Schedule feasibility

Projects are initiated with specific deadline. We need to evaluate whether the deadlines are mandatory or desirable. Time is the one of the critical factor in the development of any system but this kind of feasibility is hardly perfect in any system.

We have been asked to complete the project within the working days of the organization having period of 3 months approximately. So, we have managed to complete the project before given deadline. In the project planning section, we elaborate our ideas to develop the system within the given period.

Hence, it is feasible to develop a system in predetermined time interval.

4.2 Software Engineering Model

In the development of this Project Management Application, we have followed Agile SoftwareDevelopment Model.

- We always have daily meeting with team members, as well as project manager in order to know that we are working on system in a right direction as per their requirements.
- We have always preferred to create a dummy module instead of writing comprehensive documents. We create a dummy module and then enhance and modify to fit in our system.
- As we always have daily meetings, we accept changes given by our project manager. Before starting actual work, we meet our manager so that changes can be easily accommodate.
- We have given continuous attention to technical excellence and good design.
- At regular intervals, the team reflects on how to become more effective, then tunes and adjusts its behaviour accordingly.

4.3 Risk Analysis

4.3.1 Risk Identification

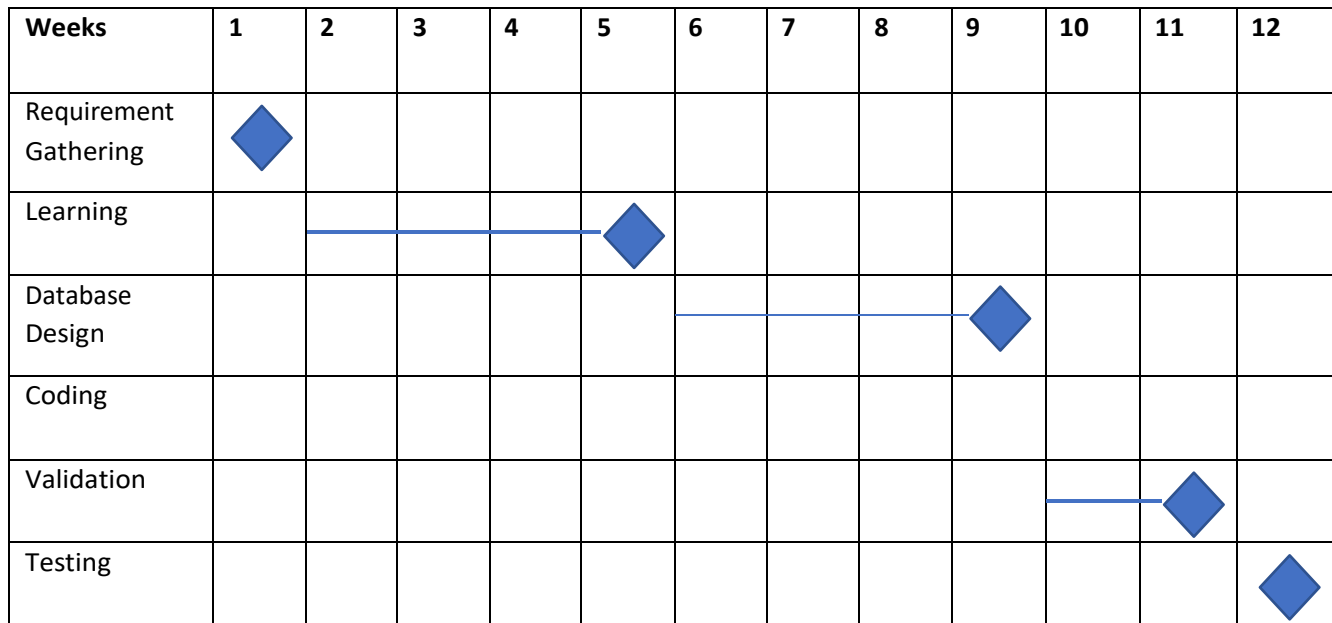
- The Overall Size of the Project is large.
- Our Team is inexperienced and not having knowledge of new technologies like Angular JS.
- There is can be miscommunication between project manager and team members.
- Third party scripts slow down the performance of the website.
- Irrelevant data might be responsible for some operation not working properly
- Defects and bug may cause rework.

4.3.1 Risk Mitigation

- Team members will spend some time in learning new technologies before beginning with developing the project.
- After discussion with our project manager team members are asked to explain what they understood.
- Team members are asked to discuss their whereabouts and daily progress as soon as possible.
- A close eye must be maintained on performance while using third party scripts. Minifying scripts and removing functions and css which are not relevant to our requirements.
- Be careful while merging scripts. Testing all functionality before committing the code. Learning to revert commits on any branch.
- Perform regular and thorough testing of a functionality immediately after it is implemented.

4.4 Project Schedule

4.4.1 Timeline Chart



4.4.2 Project Table

1) User

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	CONSTRAINT
UserID	Id of User	Int	Primary Key
FirstName	First Name of User	Varchar(255)	Not Null
MiddleName	Middle Name of User	Varchar(255)	Not Null
LastName	Last Name of User	Varchar(255)	Not Null
Gender	Gender of User	Varchar(255)	Not Null
DOB	Date of Birth	DateTime	Not Null
Address	Residence Address	Varchar(255)	Not Null
CountryID	Country	Int	Foreign Key
StateID	State	Int	Foreign Key
CityID	City	Int	Foreign Key
Pincode	Pincode	Int	Not Null
Email	Email	Varchar(255)	Not Null
Username	Username	Varchar(255)	Not Null
Password	Password	Varchar(255)	Not Null
Mobilenummer	Contact Number	Int	Not Null
Profilephoto	Profile Photo	Varchar(255)	Not Null
Coverphoto	Cover Photo	Varchar(255)	Not Null
isActive	Online/Offline	Bool	Not Null
isAdmin	Admin/User	Bool	Not Null
Access	Blocked/Approved	Bool	Not Null
Reg_date	Registration Date	DateTime	Not Null

2) Country

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	CONSTRAINT
CountryID	Id of Country	Int	Primary Key
Countryname	Country Name	Varchar(255)	Not Null
isActive	Accessible or not	Bool	Not Null

3) State

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	CONSTRAINT
StateID	Id of State	Int	Primary Key
Statename	State Name	Varchar(255)	Not Null
CountryID	Id of Country	Int	Foreign Key
isActive	Accessible or not	Bool	Not Null

4) City

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	CONSTRAINT
CityID	Id of City	Int	Primary Key
Cityname	City Name	Varchar(255)	Not Null
StateID	ID of State	Int	Foreign Key
isActive	Accessible or not	Bool	Not Null

5) User_Contact_Info

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	CONSTRAINT
Uci_id	Id of UserContact Info	Int	Primary Key
UserID	User ID	Int	Foreign Key
Website	User Personal Website	Varchar(255)	Not Null
Language	Languages known	Varchar(255)	Not Null
Interested_in	User Interest	Varchar(255)	Not Null
Fb_link	Facebook Link	Varchar(255)	Not Null
Insta_link	Instagram Link	Varchar(255)	Not Null
Bio	Bio	Varchar(255)	Not Null

6) User_Work

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	CONSTRAINT
Uw_id	Id of User Work	Int	Primary Key
UserID	User ID	Int	Foreign Key
Companyname	Company Name	Varchar(255)	Foreign Key
Joiningdate	Date of joining	DateTime	Not Null
Endingdate	Ending Date	DateTime	Not Null
Companyaddress	Address	Varchar(255)	Not Null

7) User_Education

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	CONSTRAINT
Ue_id	Id of User Education	Int	Primary Key
UserID	UserID	Int	Foreign Key
Institutenname	InstituteName	Varchar(255)	Not Null
Joiningdate	Date of Joining	DateTime	Not Null
Endingdate	Ending Date	DateTime	Not Null
Instituteaddress	Address	Varchar(255)	Not Null

8) User_Skills

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	CONSTRAINT
Us_id	Id User Skills	Int	Primary Key
UserID	UserID	Int	Foreign Key
Skillname	Skill Name	Varchar(255)	Not Null
Skillinfo	Skill Info	Varchar(255)	Not Null
Skillportfolio	Skill Portfolio	Varchar(255)	Not Null

9) Activity_Feed

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	CONSTRAINT
Af_id	Id of Activity Feed	Int	Primary Key
SenderID	UserID of Sender	Int	Foreign Key
ReceiverID	UserID of Receiver	Int	Foreign Key
GroupID	GroupID	Int	Foreign Key
Sendermessage	Sender Message	Varchar(255)	Not Null
Receivermessage	Receiver Message	Varchar(255)	Not Null
Target_url	url	Varchar(255)	Not Null
Activity_date	Activity Date	DateTime	Not Null
Is_read	Seen/unseen	Bool	Not Null
Is_deleted	Deleted or not	Bool	Not Null

10) Friend List

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	CONSTRAINT
Fl_id	Id of Friend List	Int	Primary Key
UserID	UserID	Int	Foreign Key
FriendID	UserID of friend	Int	Foreign Key
Accepted_date	Request Accept Date	DateTime	Not Null
Friend_status	Removed or not	Bool	Not Null

11) Friend Request

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	CONSTRAINT
Fr_id	Id of Friend Request	Int	Primary Key
SenderID	Userid of sender	Int	Foreign Key
ReceiverID	Userid of receiver	Int	Foreign Key
Status	Accepted/remove/pending	Varchar(255)	Not Null
Request_date	Date of Request	DateTime	Not Null

12) Post

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	CONSTRAINT
PostID	Id of post	Int	Primary Key
UserID	User id	Int	Foreign Key
GroupID	Group id	Int	Foreign Key
Post	Image/video	Varchar(255)	Not Null
Caption	Caption	Varchar(255)	Not Null
Upload_date	Upload date	DateTime	Not Null
Is_deleted	Deleted or not	Bool	Not Null

13) Likes

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	CONSTRAINT
LikeID	Id of like	Int	Primary Key
PostID	Post id	Int	Foreign Key
SenderID	User id of sender	Int	Foreign Key
ReceiverID	User id of receiver	Int	Foreign Key
Like_date	Like date	DateTime	Not Null
Is_removed	Like/unlike	Bool	Not Null

14) Comments

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	CONSTRAINT
CommentID	Id of comment	Int	Primary Key
PostID	Post id	Int	Foreign Key
SenderID	Userid of sender	Int	Foreign Key
ReceiverID	User id of receiver	Int	Foreign Key
Comment	comment	Varchar(255)	Not Null
Comment_date	Date of comment	DateTime	Not Null
Is_removed	Removed or not	Bool	Not Null

15) Groups

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	CONSTRAINT
GroupID	Id of group	Int	Primary Key
AdminID	User id as admin	Int	Foreign Key
Groupname	Group name	Varchar(255)	Not Null
Description	Description	Varchar(255)	Not Null
Memberscount	Total members	Int	Not Null
Create_date	Grp creation date	DateTime	Not Null
Is_deleted	Grp deleted or not	Bool	Not Null

16) Groups Members

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	CONSTRAINT
Gm_id	Id of groups Member	Int	Primary Key
GroupID	Group ID	Int	Foreign Key
MemberID	UserId as members	Int	Foreign Key
Is_member	Member or not	Bool	Not Null

17) Events

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	CONSTRAINT
EventID	Id of event	Int	Primary Key
HostID	Userid as host	Int	Foreign Key
Eventname	Event name	Varchar(255)	Not Null
Post	Image/video	Varchar(255)	Not Null
Eventstartdate	Start date	DateTime	Not Null
Eventenddate	End date	DateTime	Not Null
Eventinfo	Event info	Varchar(255)	Not Null
Venue	Event venue	Varchar(255)	Not Null
Type	Event Type	Varchar(255)	Not Null
Fees	Event fees	Int	Not Null
Mode	Online/offline	Varchar(255)	Not Null
Guestcount	Total guest	Int	Not Null
Reg_date	Event reg date	DateTime	Not Null
Is_removed	Removed or not	Bool	Not Null

18) Event_UserCount

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	CONSTRAINT
Evc_id	Id of Event User Count	Int	Primary Key
EventID	Event ID	Int	Foreign Key
UserID	User ID	Int	Foreign Key
Is_interested	Interested or not	Bool	Not Null

19) Ads

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	CONSTRAINT
Ads_id	Id of ads	Int	Primary Key
Adstype	Ads type	Varchar(255)	Not Null
Price	Price of ads	Int	Not Null
Timelimit	Timelimit of ads	Int	Not Null
Description	Ads description	Varchar(255)	Not Null
is_Removed	Removed or not	Bool	Not Null

20) Ads_User

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	CONSTRAINT
Au_id	Id of Ads User	Int	Primary Key
UserID	userID	Int	Foreign Key
AdslD	AdslD	Int	Foreign Key
AdsContent	Image/video	Varchar(255)	Not Null
Description	Ads Description	Varchar(255)	Not Null
Link	Ads Link	Varchar(255)	Not Null
Startdate	Ads publish date	DateTime	Not Null
Enddate	Ads expire date	DateTime	Not Null
Is_removed	Removed or not	Bool	Not Null
Is_expired	Expired or not	Bool	Not Null

21) Chat

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	CONSTRAINT
ChatID	Id of Chat	Int	Primary Key
SenderID	UserID of sender	Int	Foreign Key
ReceiverID	UserId of receiver	Int	Foreign Key
Message	Message	Varchar(255)	Not Null
Time	Message sent time	DateTime	Not Null
Date	Message sent date	DateTime	Not Null
Is_delivered	Delivered or not	Bool	Not Null
Is_read	Read or not	Bool	Not Null
Is_deleted	Deleted or not	Bool	Not Null

22) Product

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	CONSTRAINT
ProductId	Id of product	Int	Primary Key
ProductName	Name of Product	Varchar(45)	Not Null
ProductCategory	Category of product	Varchar(45)	NotNull
ProductDescription	Description of product	Varchar(45)	NotNull
ProductPrice	Price of the product	Int	NotNull
ProductImage	Image of the Product	Varchar(1000)	NotNull
Isactive	Check product is available or not	BIT(1)	NotNull

23) Payment

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	CONSTRAINT
payid	Id of payments	Int	Primary Key
cardholder	Name of card owner	Varchar(50)	Not Null
Cardnumber	No of credit card	Varchar(50)	Not Null
expmonth	Expiry month	Varchar(50)	Not Null
expyear	Expiry year	Varchar(50)	Not Null
cvv	Cvv number	Varchar(50)	Not Null

5. System Analysis

5.1 Detailed SRS

User Module

- Description: This module is used to store user details which will be used to login to user or admin dashboard according to the admin property.
- Inputs: User Details
- Events: Insert, Update, Delete, Detail view, Search
- Output: List of User of the website
- Validations: Registration and specific fields like username, password Required
- Constraints: unique User Id

User Contact Info Module

- Description: This module is used to store user Contact info and links to other social media accounts which will be displayed in the profile for others to see and get in touch with you.
- Inputs: User Contact info Details
- Events: Insert, Update, Delete, Detail view
- Output: List of User Contact of the website
- Validations: All Fields required
- Constraints: User Id required

User Education Module

- Description: This module is used to store user Education info and links to other social media accounts which will be displayed in the profile for others to see and get in touch with you.
- Inputs: User Education info Details
- Events: Insert, Update, Delete, Detail view
- Output: List of User Education of the website
- Validations: All Fields required
- Constraints: User Id required

User Skills Module

- Description: This module is used to store user skills info and links to other social media accounts which will be displayed in the profile for others to see and get in touch with you.
- Inputs: User skills info Details
- Events: Insert, Update, Delete, Detail view
- Output: List of User skills of the website
- Validations: All Fields required
- Constraints: User Id required

User Work Module

- Description: This module is used to store user work info and links to other social media accounts which will be displayed in the profile for others to see and get in touch with you.
- Inputs: User work info Details
- Events: Insert, Update, Delete, Detail view
- Output: List of User work and occupation of the website
- Validations: All Fields required
- Constraints: User Id required

Country Module

- Description: This module is used to store all countries so that the user can add the address and country accordingly .
- Inputs: Country info Details
- Events: Insert, Update, Delete, Detail view
- Output: List of Country

- Validations: All Fields required
- Constraints: none

State Module

- Description: This module is used to store all states with respect to the country so that the user can add the address and country accordingly .
- Inputs: State info Details
- Events: Insert, Update,Delete, Detail view
- Output: List of States
- Validations: All Fields required
- Constraints: Countryid required

City Module

- Description: This module is used to store all cities according to the state and country so that the user can add the address and country accordingly .
- Inputs: City info Details
- Events: Insert, Update,Delete, Detail view
- Output: List of Cities
- Validations: All Fields required
- Constraints: State and Country required

Ads Module

- Description: This module is used to store all ads type and price and limit to be activated on the website by the user.
- Inputs: Ads info Details
- Events: Insert, Update,Delete, Detail view
- Output: List of Ads
- Validations: All Fields required
- Constraints: none

User Ads Module

- Description: This module is used to store all user ads subscriptions and the details about the ad running on the platform.

- Inputs: User Ads info Details
- Events: Insert, Update, Delete, Detail view
- Output: List of UserAds Subscriptions
- Validations: All Fields required
- Constraints: Ads required

Chat Module

• Description: This module is useful for everyone to chat with their friends and send messages and emojis to make it more fun.

- Inputs: Chat info Details
- Events: Insert, Update, Delete, Detail view
- Output: List of Chat Messages
- Validations: All Fields required
- Constraints: Userid required

Friend Request Module

• Description: This module is used to store all friend requests that the particular user gets and the user can decide whether to approve or delete the request.

- Inputs: Friend request info Details
- Events: Insert, Update, Delete, Detail view
- Output: List of friend request
- Validations: All Fields required
- Constraints: User is required

Friend List Module

• Description: This module is used to store all friend requests that the particular user accepts and be friends with them.

- Inputs: Friends info Details
- Events: Insert, Update, Delete, Detail view
- Output: List of friends
- Validations: All Fields required
- Constraints: User and Friend_request is required

Post Module

- Description: This module is used to store all posts that the user post on the website in his feed or in group feed in video,image or audio type.
- Inputs: Posts info Details
- Events: Insert, Update,Delete, Detail view
- Output: List of Posts
- Validations: All Fields required
- Constraints: User is required, Video Size is smaller.

Like Module

- Description: This module is used to store the likes count a particular post of the particular user gets.
- Inputs: Likes info Details
- Events: Insert, Update,Delete, Detail view
- Output: List of Likes
- Validations: All Fields required
- Constraints: User is required, Post is required

Comment Module

- Description: This module is used to store the comments count a particular post of the particular user gets.
- Inputs: Comments info Details
- Events: Insert, Update,Delete, Detail view
- Output: List of Comments
- Validations: All Fields required
- Constraints: User is required, Post is required

Event Module

- Description: This module is used to store the Events that the user hosts on the website for others to join..
- Inputs: Events info Details
- Events: Insert, Update,Delete, Detail view
- Output: List of Events

- Validations: All Fields required
- Constraints: User is required

Event UserCount Module

- Description: This module is used to store the users that are interested in attending the events on the website.
- Inputs: Event usercount info Details
- Events: Insert, Update, Delete, Detail view
- Output: List of users attending the event
- Validations: All Fields required
- Constraints: User is required, Event is required

Group Module

- Description: This module is used to store the groups that the user creates on the website for others to join..
- Inputs: Groups info Details
- Events: Insert, Update, Delete, Detail view
- Output: List of Groups
- Validations: All Fields required
- Constraints: User is required

Group Member Module

- Description: This module is used to store the users that are joined in a particular group or not.
- Inputs: Group membercount info Details
- Events: Insert, Update, Delete, Detail view
- Output: List of users in a group
- Validations: All Fields required
- Constraints: User is required, Group is required

Activity Feed Module

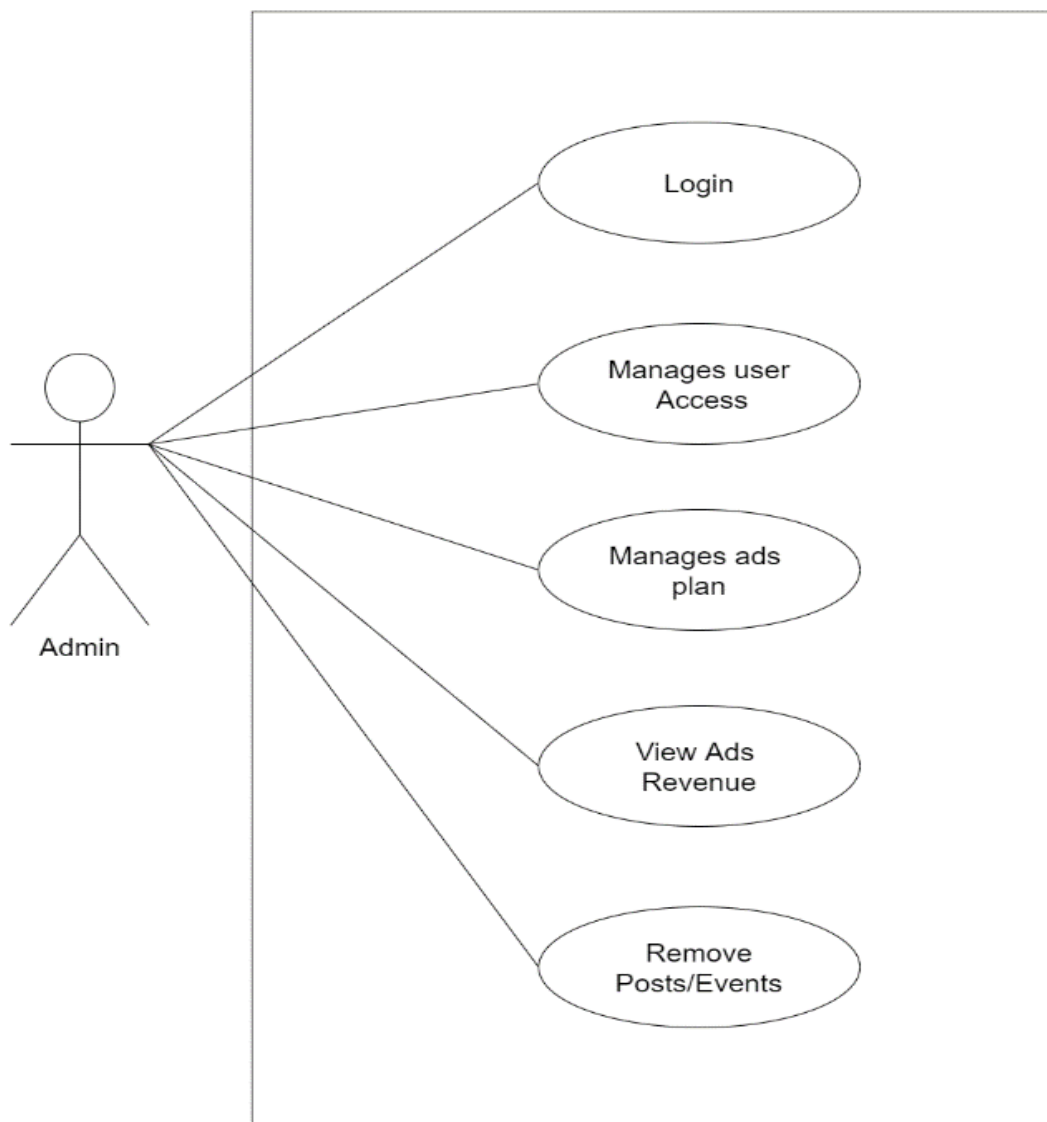
- Description: This module is used to store the user's activity with respect to comments, likes, groups and posts.
- Inputs: Activity info Details

- Events: Insert, Update, Delete, Detail view
- Output: List of Activities
- Validations: All Fields required
- Constraints: User is required

5.2 UML Diagram

5.2.1 Use Case Diagram

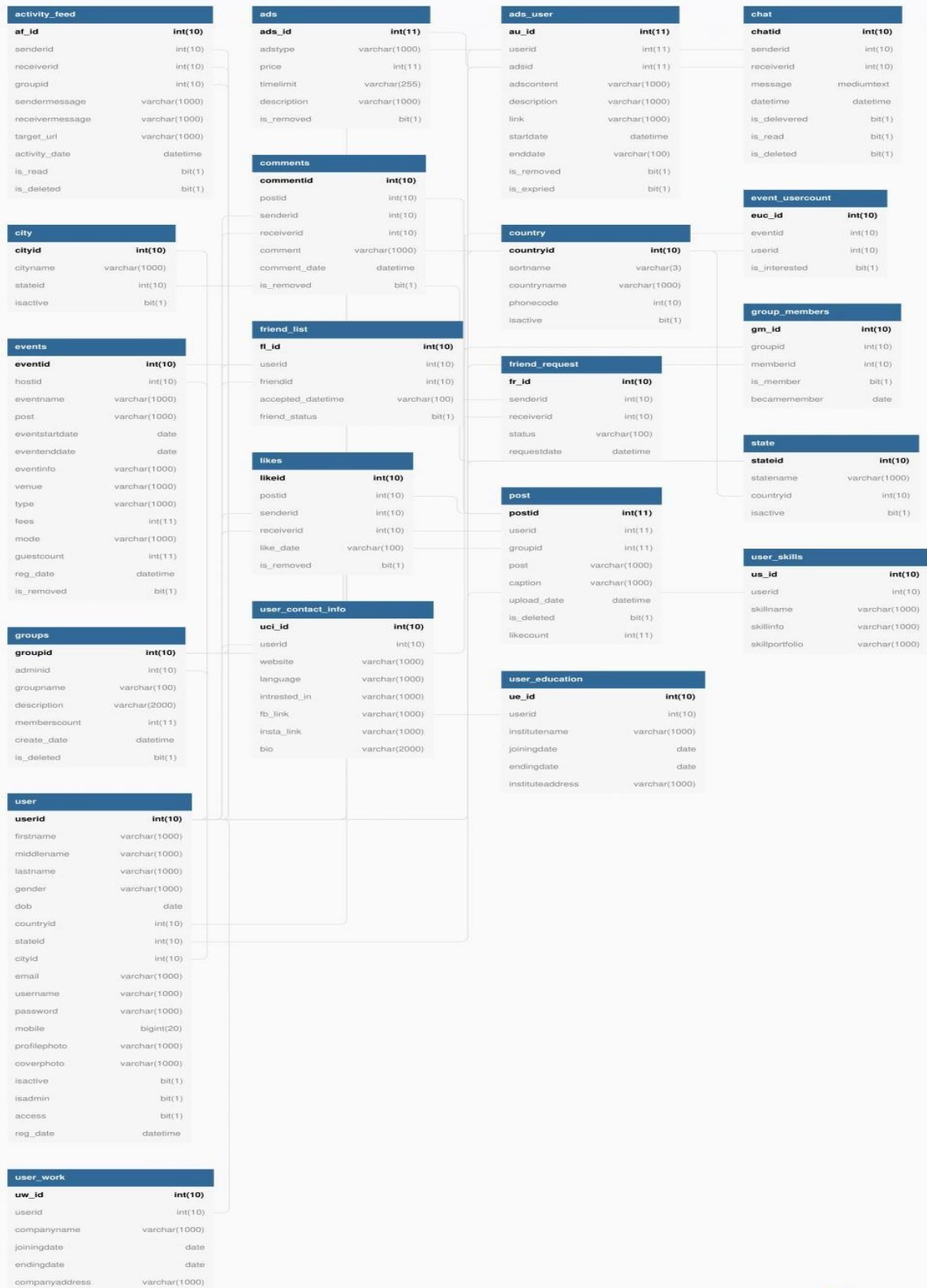
Admin Use Case



User Use Case

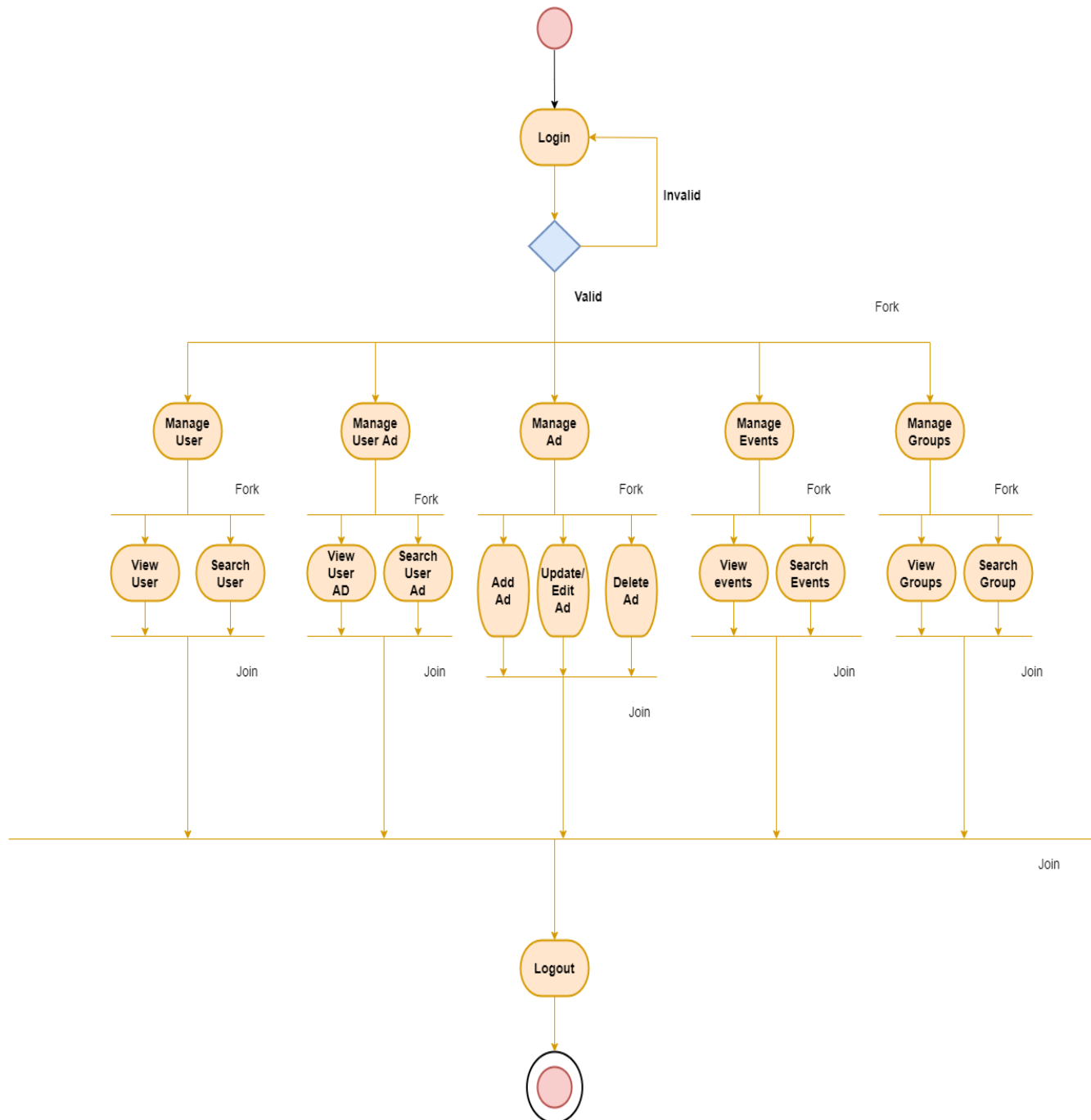


5.2.1 Class Diagram

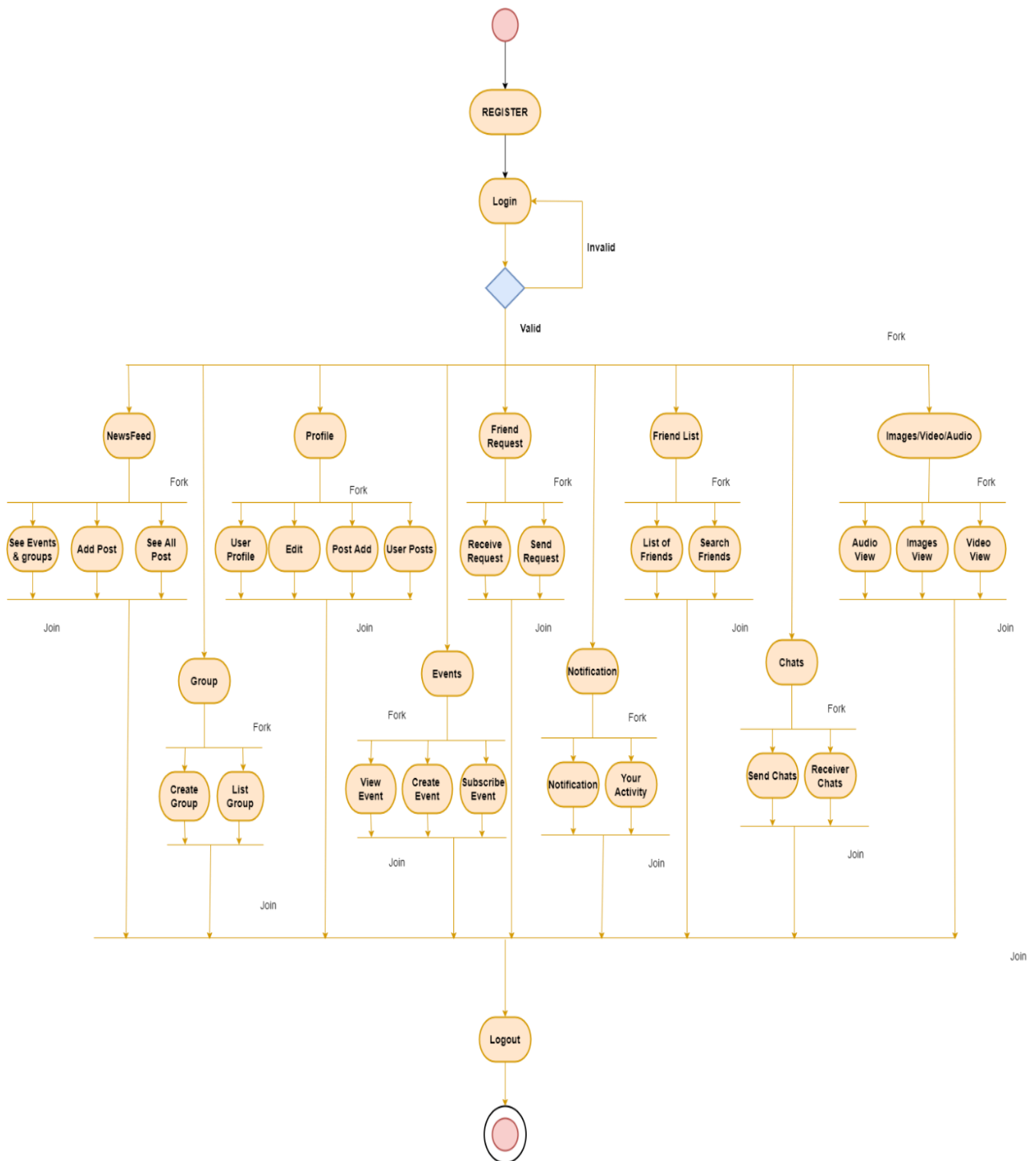


5.2.2 Activity Diagram

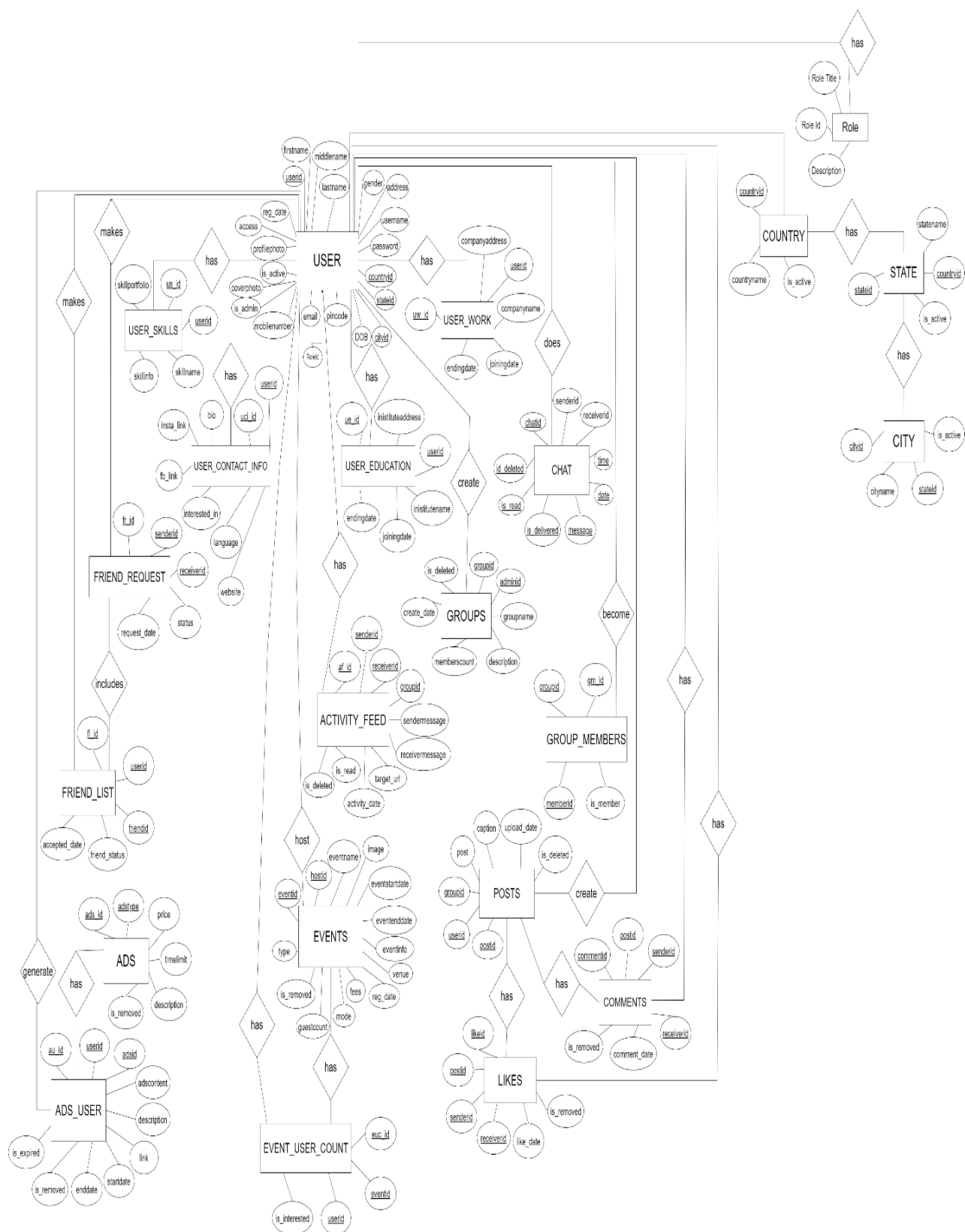
Admin Activity Diagram



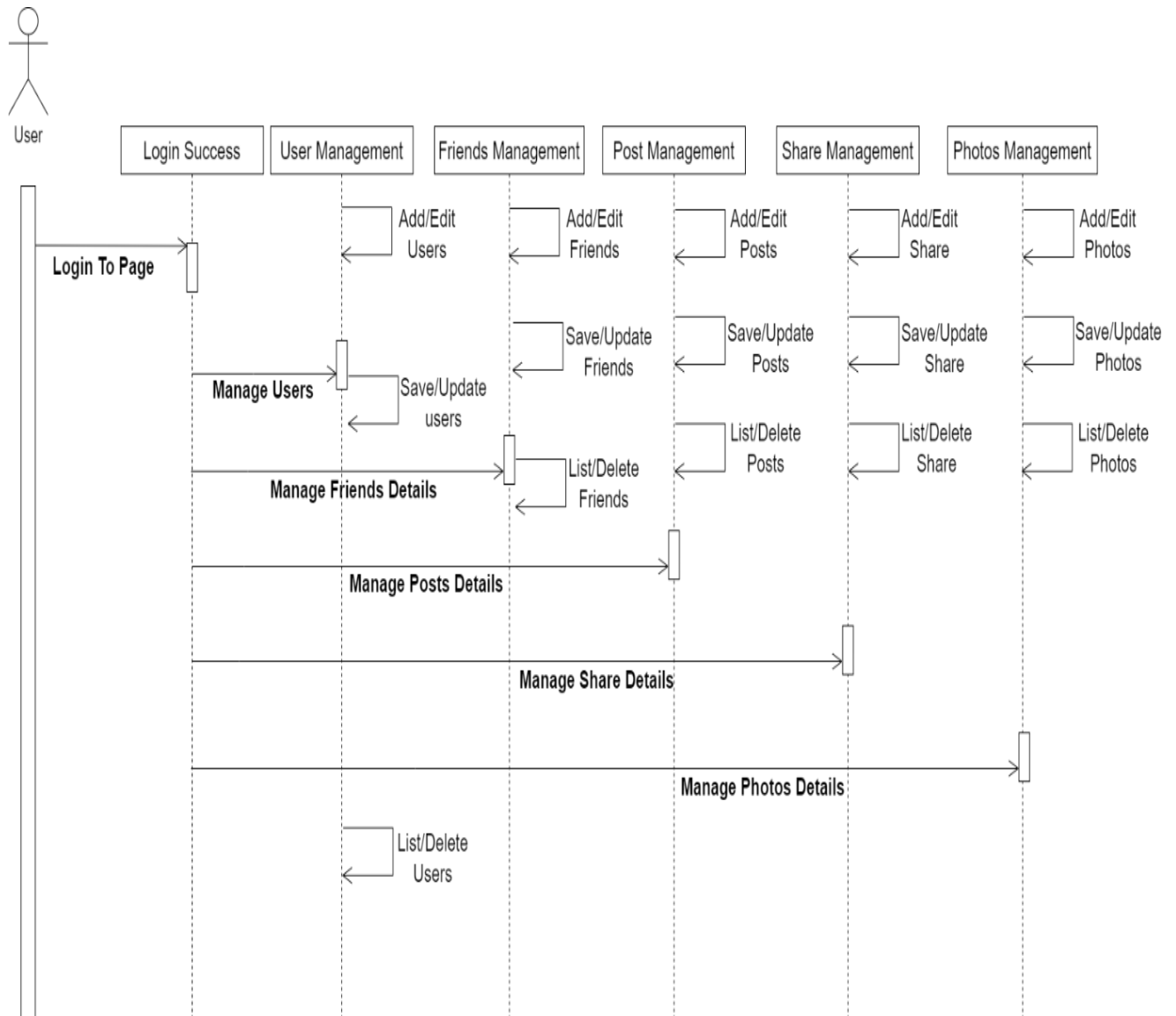
User Activity Diagram



5.3 E-R Diagram



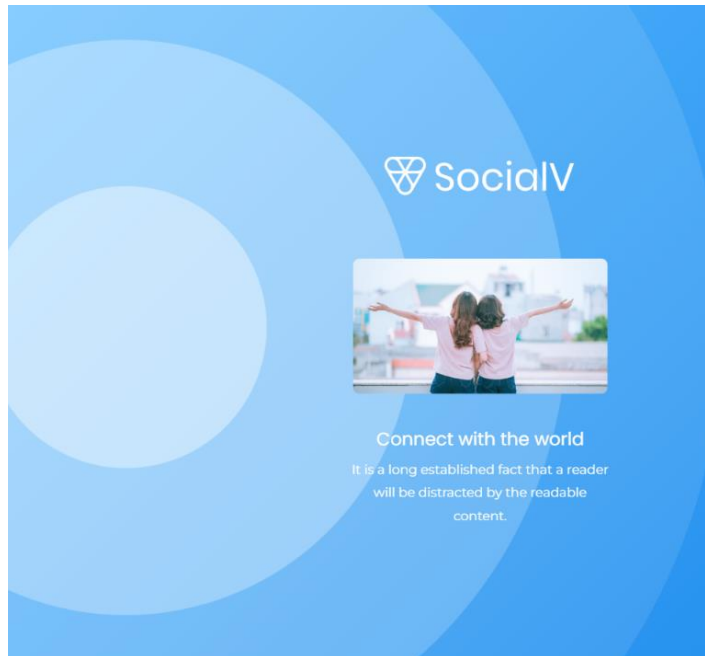
5.4 User Sequence Diagram



6. Software Design

6.1) Interface Design

Sign In :



Sign in

Enter your email address and password to access admin panel.

Email address

Password

[Forgot password?](#)

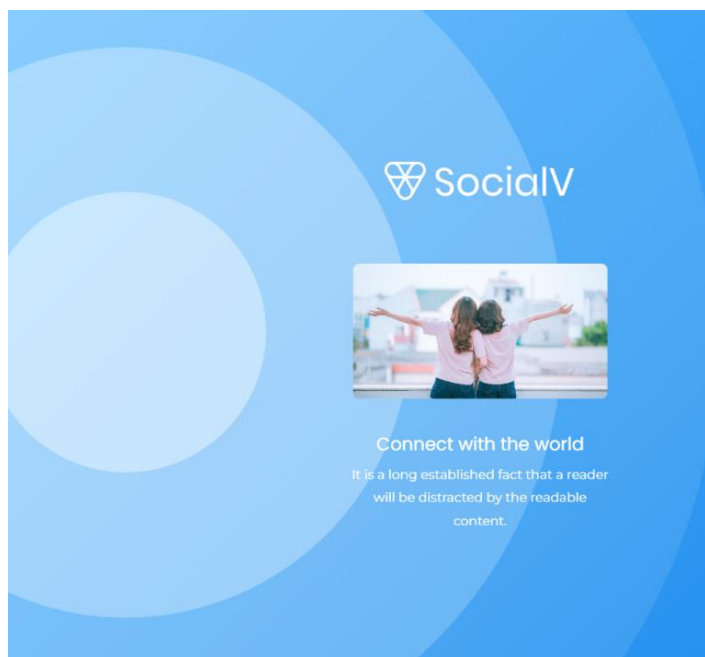
☐ Remember Me

[Login in](#)

Don't have an account? [Sign up](#)



Register :



Sign Up

First Name

Last Name

Email address

Password

Date of Birth



☐ I accept [Terms and Conditions](#)


[Sign Up](#)


Already Have Account ? [Log In](#)





Admin Panel :--


 Vibe 


9:05:21 AM Thursday, June 15 [Sign Out](#)  Kevin Patel


 Users


 Ads

 User Ads


 Events

 Groups


 Marketplace




Total Users
23




Total Events
3




Total Groups
9



Total Products
3






Total Posts
31





Total User Ads
7


All Users :=


 Vibe 


9:06:26 AM Thursday, June 15 [Sign Out](#)  Kevin Patel


 Users

 Ads

 User Ads






 Events

 Groups



 Marketplace


Vibe User







[Search](#)

PROFILE	FULL NAME	EMAIL	MOBILE	ACTIVE	INFO
	demo demo	demo@gmail.com	8141939329	true	Know More
	Vatsal Tailor	vatsaltailor6500@gmail.com	8141939329	true	Know More
	Vatsal Tailor	tailorvatsal29@gmail.com	0	true	Know More
	Tisha Topiwala	tishatopi@gmail.com	0	true	Know More
	Nisarg Tailor	nisargtailor17@gmail.com	0	true	Know More

Search User by name :=





 Vibe 

9:08:34 AM Thursday, June 15 [Sign Out](#)  Kevin Patel



 Users
 Ads
 User Ads
 Events
 Groups
 Marketplace


Vibe User







[Search](#)

PROFILE	FULL NAME	EMAIL	MOBILE	ACTIVE	INFO
	Vatsal Tailor	vatsaltailor6500@gmail.com	8141939329	true	Know More
	Vatsal Tailor	tailorvatsal29@gmail.com	0	true	Know More
	vatsal tailor	vatsalt@gmail.com	0	true	Know More
	vatsal tailor	vt69@gmail.com	0	true	Know More

All Advertisements :

 Vibe 

9:09:36 AM Thursday, June 15 [Sign Out](#)  Kevin Patel



 Users
 Ads
 User Ads
 Events
 Groups
 Marketplace


Advertisements







[Add New](#)

TYPE	PRICE	TIME LIMIT	DESCRIPTION	IS REMOVED	ACTION
demo	2000	30 months	demodemo	false	Update Status
demo1	3000	20 months	demo1demo1	true	Update Status
demo2	2000	10 months	demo2demo2	true	Update Status
dmeo3	500000	90 days months	demo3demo3demo3	true	Update Status
demo2	2000	10 months	demo2demo2	true	Update Status

User Ads Subscription :=

 Vibe 



9:10:13 AM Thursday, June 15 [Sign Out](#)  Kevin Patel


 Users
 Ads
 User Ads
 Events
 Groups
 Marketplace







User Ads Subscriptions

USER	ADS TYPE	AD CONTENT	DESCRIPTION	LINK	START DATE	END DATE	IS EXPIRED
Mamyur	demo1	demo	demo demo	google.com	Thu Jun 16 16:39:47 IST 2022	2022-08-30	false
vatsal8141	demo1	demo	demo	demo.com	Fri Jun 17 16:13:06 IST 2022	2022-08-30	false
RockingBaiju	demo	null	null	null	Thu May 11 18:38:09 IST 2023	2022-08-30	false
RockingBaiju	demo	null	null	null	Sat May 20 11:22:55 IST 2023	2022-08-30	false
RockingBaiju	demo2	abc	abc	abc	Sat May 20 11:23:17 IST 2023	2022-08-30	false
RockingBaiju	demo2	abc	abc	abc	Sat May 20 11:23:59 IST 2023	2022-08-30	false
RockingBaiju	demo2	my advertisement1	my advertisement1	my advertisement1	Sat May 20 11:59:23 IST 2023	2022-08-30	false

Events :=

 Vibe 



9:10:58 AM Thursday, June 15 [Sign Out](#)  Kevin Patel


 Users
 Ads
 User Ads
 Events
 Groups
 Marketplace







Events

EVENT NAME	HOST	START DATE	END DATE	VENUE	FEES	INFO
Seminar	Vatsal Tailor	Thu Jun 16 00:00:00 IST 2022	Fri Jun 17 00:00:00 IST 2022	Remote Location	0	Know More
mamyur	Vishal Anna	Mon Dec 12 00:00:00 IST 2022	Thu Dec 15 00:00:00 IST 2022	surat	100	Know More
abc event	Baiju Bavra	Tue Dec 14 00:00:00 IST 6	Sun Dec 14 00:00:00 IST 10	Surat	500	Know More

Groups :=

 Vibe 



9:11:37 AM Thursday, June 15 [Sign Out](#)  Kevin Patel


 Users
 Ads
 User Ads
 Events
 Groups
 Marketplace







Groups

GROUP NAME	ADMIN	DESCRIPTION	MEMBERS COUNT	INFO
Marvel	Vatsal Tailor	Clg group	4	Know More
Seminar	mayur luhar	React	0	Know More
Seminar	mayur luhar	School Group	0	Know More
Seminar	mayur luhar	React	0	Know More
dave	Rahul Dave	dave	0	Know More
topi	Tisha Topiwala	topi	0	Know More
DC	Vishal Anna	Dc world	0	Know More
DC	Vishal Anna	dc world	0	Know More
Family	Vatsal Tailor	Family	0	Know More

Products :=










 Vibe 

9:12:19 AM Thursday, June 15 [Sign Out](#)  Kevin Patel


 Users
 Ads
 User Ads
 Events
 Groups
 Marketplace

Products

[Add New](#)

CODE	NAME	CATEGORY	PRICE	IMAGE	DESCRIPTION	AVAILABLE	ACTION
1	shoes	1	1500		shoes	false	 
2	Aet	4	500		art1	false	 
3	Krishna Art	Art	1500		This Art is most beautiful in the worls	true	 

User Panel :==

 Vibe

Newsfeed

Profile

Friend Request

Friend List

Group

Your Images

Your Videos

Your Audios

Events

Notification


Chat

Advertisements

Birthday

MarketPlace


Create Post

 Write something here...


Choose File

No file chosen

Post

 Baiju Bavra Posted Photo


Posted On 3



Liked 1

1 Likes

1 Comments


 Baiju Bavra

cool

Sat Jun 03 23:23:48 IST 2023


Enter Your Comment

Add

 Baiju Bavra Posted Photo

Posted On 3

Jerry




Like

0 Likes

0 Comments


Enter Your Comment

Add

 Baiju Bavra Posted Photo

Posted On 3


Jerry



11:54:29 PM

Wednesday, June 14


Suggested Pages

 mayur luhar


Type : demo1

Content : demo

Description : demo demo




Visit Page

 Vatsal Tailor

Type : demo1

Content : demo


Description : demo



Visit Page

View all Pages

Events You might like




Mon Dec 12 00:00:00 IST 2022

Thu Dec 15 00:00:00 IST 2022

manyur mamyur rocks

Know More

Your Subscribed Events




Thu Jun 16 00:00:00 IST 2022

Fri Jun 17 00:00:00 IST 2022

Seminar All UG and PG students

Know More

Events You Hosting





Tue Dec 14 00:00:00 IST 6

Sun Dec 14 00:00:00 IST 10

abc event abc info

Know More

 Baiju Bavra

 Karan Patel

36

User Profile :=

Vibe

Newsfeed

Profile

Friend Request

Friend List

Group

Your Images

Your Videos

Your Audios

Events

Notification

Chat

Advertisements

Birthday

MarketPlace

Posts

9

Friends

1

Baiju Bavra


Timeline


About


Friends


Media


Photos















Friends




Karan Patel

Add New

Baiju Bavra

Posted Photo

Posted On 3



1 Likes


1 Comments

Baiju Bavra

Posted Photo

Posted On 3

jerry



0 Likes

0 Comments

Baiju Bavra

cool

Sat Jun 03 23:23:48 IST 2023

Karan Patel

Baiju Bavra

cool

Sat Jun 03 23:23:48 IST 2023

Baiju Bavra

cool



Sat Jun 03 23:23:48 IST 2023


Baiju Bavra


cool


Sat Jun 03 23:23:48 IST 2023


User Friend Requests


 Vibe 


 Baiju Bavra


 Karan Patel


 Newsfeed


 Profile


 Friend Request


 Friend List


 Group


 Your Images


 Your Videos


 Your Audios


 Events

 Notification

 Chat

 Advertisements



 Birthday



 MarketPlace



Friend Request



No Friend Request



People You May Know



 Tisha Topiwala
0 Friends 

 Nisarg Tailor
0 Friends 



 Pooja Tailor
0 Friends 


 Rahul Dave
0 Friends 


 Rahul Dave
0 Friends 


 Rajvi Tailor
1 Friends 


User Friend List


 Vibe 


 Baiju Bavra


 Karan Patel


 Newsfeed


 Profile


 Friend Request


 Friend List


 Group


 Your Images


 Your Videos


 Your Audios


 Events

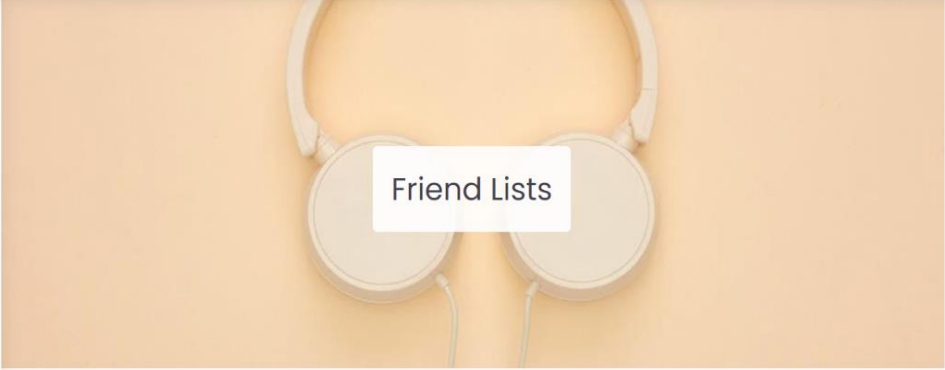
 Notification

 Chat


 Advertisements


 Birthday

 MarketPlace



Friend Lists

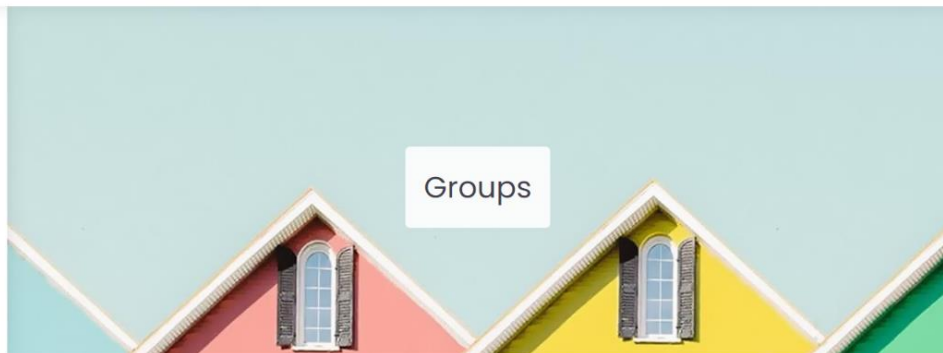


Karan Patel
From
karanpatel@gmail.com 

Groups :



- Newsfeed
- Profile
- Friend Request
- Friend List
- Group
- Your Images
- Your Videos
- Your Audios
- Events
- Notification
- Chat
- Advertisements
- Birthday
- MarketPlace



Create New Group [Create](#)

My Groups

No Group Created

Groups Joined

Marvel
Clg group

Post	Member
0	4

[Details](#)

Suggested Groups

dave
dave
Created By Rahul Dave

Post	Member
0	2

[Join](#)**topi**
topi
Created By Tisha Topiwala**DC**
dc world
Created By Vishal Anna**Family**
Family
Created By Vatsal Tailor

Events :



- Newsfeed
- Profile
- Friend Request
- Friend List
- Group
- Your Images
- Your Videos
- Your Audios
- Events
- Notification
- Chat
- Advertisements
- Birthday
- MarketPlace

Your Events

[Host Event](#)

Tue Dec 14 00:00:00 IST 6
Sun Dec 14 00:00:00 IST 10

abc event
abc info

[Know More](#)

Subscribed Events



Thu Jun 16 00:00:00 IST 2022
Fri Jun 17 00:00:00 IST 2022

Seminar
All UG and PG students

[Know More](#)

Events You might like








Mon Dec 12 00:00:00 IST 2022
Thu Dec 15 00:00:00 IST 2022















mamyur
mamyur rocks

[Know More](#)


Notifications :


 Vibe 


 Baiju Bavra


 Newsfeed
 Profile
 Friend Request
 Friend List
 Group
 Your Images
 Your Videos
 Your Audios
 Events
 Notification
 Chat
 Advertisements
 Birthday
 MarketPlace


Notification


 Baiju Bavra has liked your Post.
On 14


 Karan Patel has accepted your friend request.
On 4


 vatsal tailor has sent a friend request.
On 4

 Baiju Bavra has commented on your Post
On 3



 Baiju Bavra has liked your Post.
On 3




 Karan Patel has sent a friend request.
On 11















 Baiju Bavra has liked your Post.
On 11


 Karan Patel


Chat :

 Vibe 


 Baiju Bavra


 Newsfeed
 Profile
 Friend Request
 Friend List
 Group
 Your Images
 Your Videos
 Your Audios
 Events
 Notification
 Chat
 Advertisements
 Birthday
 MarketPlace


 Baiju Bavra


 Karan Patel

Friends

 Karan Patel
karanpatel@gmail.com

 18:57
hey baiju

 18:58
i am fine ... what about you ?


 10:37
well im all done with this

hey bro



18:56



how are you


18:56















 Karan Patel

Advertisements :


 Vibe 

  Baiju Bavra


 Karan Patel

 Newsfeed
 Profile
 Friend Request
 Friend List
 Group
 Your Images
 Your Videos
 Your Audios
 Events
 Notification
 Chat
 Advertisements
 Birthday
 MarketPlace


Select Advertisements




DEMO
2000/-
Time Limit : 30 Months
Description : demodemo
[Activate](#)




DEMO1
3000/-
Time Limit : 20 Months
Description : demoldemo1
[Activate](#)



DEMO2
2000/-
Time Limit : 10 Months
Description : demo2demo2
[Activate](#)







DME03
500000/-
Time Limit : 90 days Months
Description : demo3demo3demo3
[Activate](#)


















DEMO2
2000/-
Time Limit : 10 Months
Description : demo2demo2
[Activate](#)

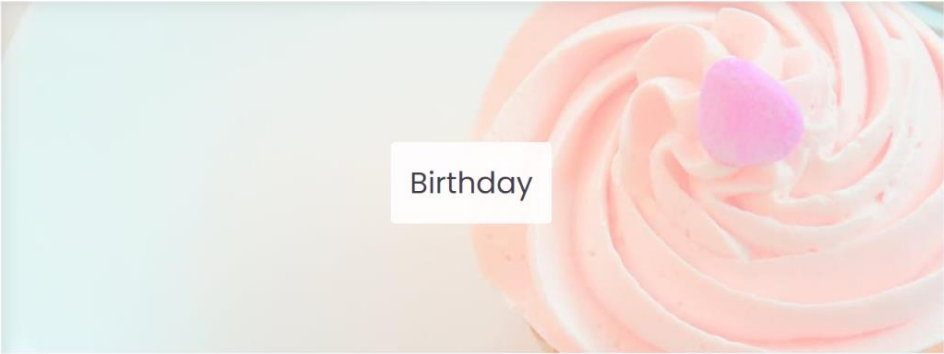
Birthday :

 Vibe 

  Baiju Bavra


 Karan Patel

 Newsfeed
 Profile
 Friend Request
 Friend List
 Group
 Your Images
 Your Videos
 Your Audios
 Events
 Notification
 Chat
 Advertisements
 Birthday
 MarketPlace



Birthday

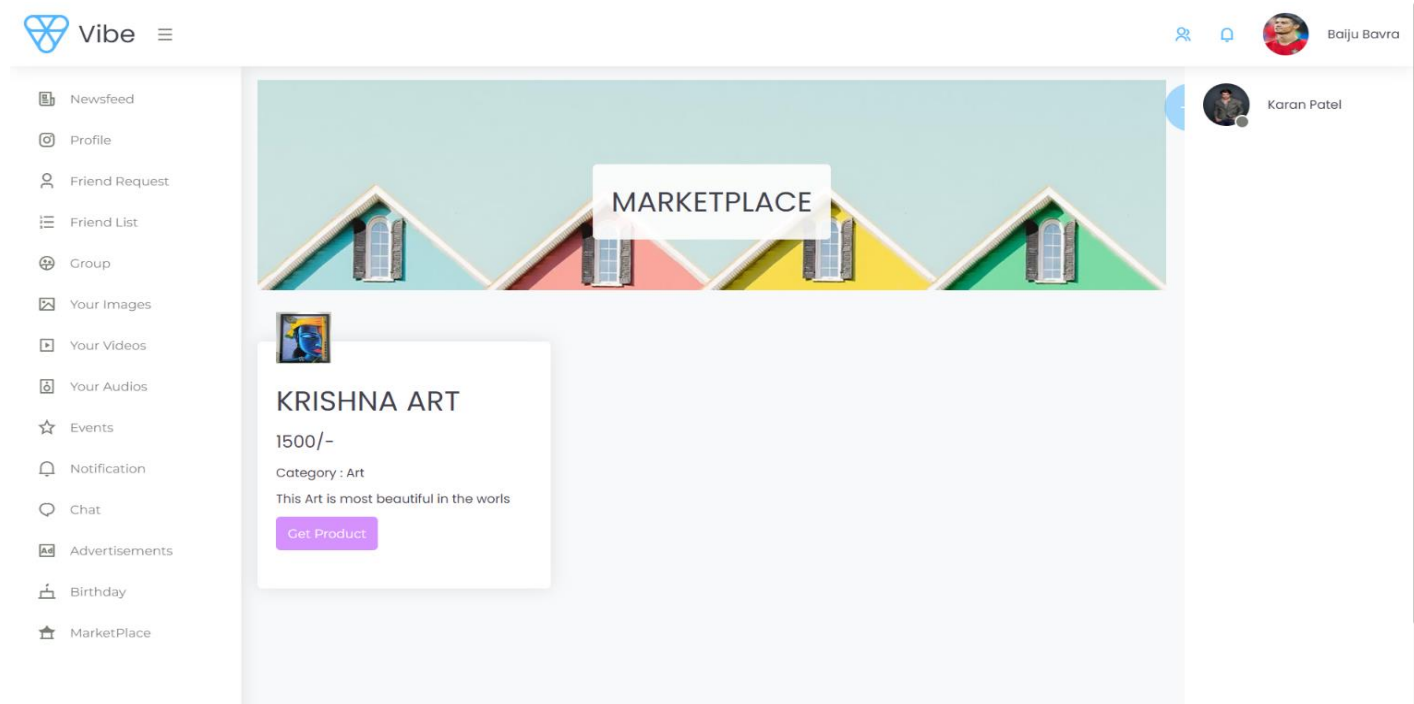
Friends Birthday



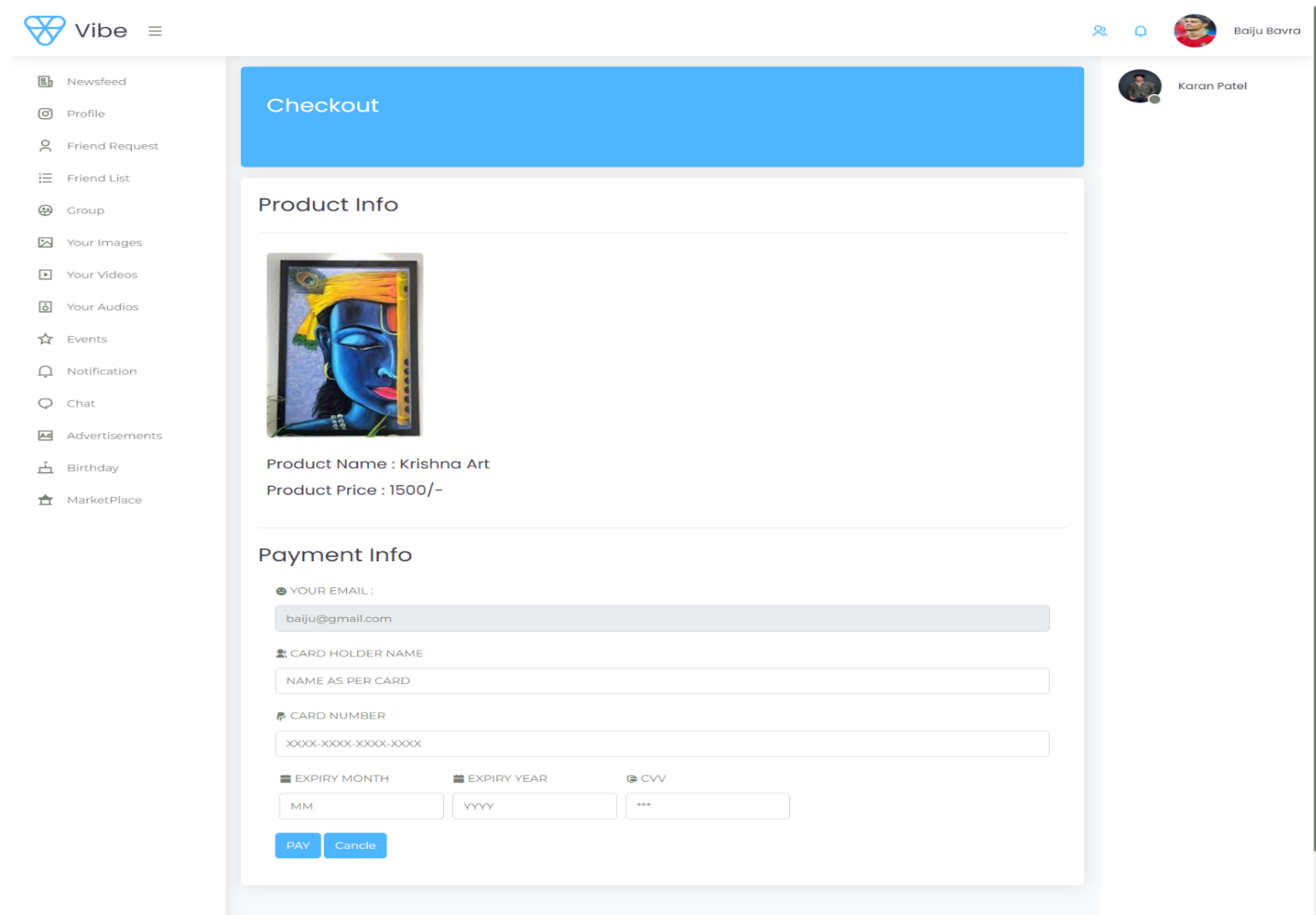
Karan Patel
16.12.2001

[Wish Your Friend](#)

Marketplace :



Checkout :



7. Testing

Unit Testing

- This testing focuses on verification effort on the smallest unit of software design - the component or module.
- Using the component- level design description as a guide, important control paths are tested to uncover errors within the boundary of the module.
- The relative complexity of tests and the error those tests uncover is limited by constrained scope established for the unit testing.
- The unit testing focuses on internal processing logic and data structure with boundaries of the component.
- This type of testing can be conducted in parallel for multiple components.

8. Future Enhancement

- Payment transections can be implemented.
- Marketplace feature can be added for users to sell their goods online.
- Stories can be created that lasts upto 24 hours.
- Chats groups can be generated including multiple users.
- Images and Videos can be sent personally in chat.
- Multiple photos can be posted in single post.
- Reaction emojis can be added for people to react on posts.

9. References

1. <https://docs.oracle.com/javase/8/docs/api/>
2. <https://www.javatpoint.com/>
3. <https://stackoverflow.com/>
4. <https://www.youtube.com/>
5. [google.com](https://www.google.com/)